



# PANTECHS LABORATORIES, INC.

Leaders in Petroleum Analytical Services  
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## Analytical Report

2/10/2023

|                     |   |                         |           |
|---------------------|---|-------------------------|-----------|
| <b>Customer:</b>    | Occidental Permian Ltd.   | <b>Order:</b>           | 503-4218  |
| <b>Location:</b>    | North Hobbs Unit  | <b>Received:</b>        | 2/9/2023  |
| <b>Description:</b> | Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses | <b>Primary Contact:</b> | Chris Poe |

### REPORT DISTRIBUTION:

Chris Poe , Richard Sanders

All data reported in this Analytical Report is in compliance with the test method(s) performed as of the date noted above. The validity and integrity of this report will remain intact as long as it is accompanied by this page and reproduced in full. Any datafile (e.g. txt, csv, etc.) produced which is associated with the results in this report shall be considered for convenience only and does not supersede this report as the official test results. We reserve the right to return to you any unused samples received if we consider so necessary (e.g. samples identified as hazardous waste).

We appreciate you choosing Pantechs Laboratories. If you have any questions concerning this report, please feel free to contact us at any time.

**Pantechs Laboratories, Inc.**

**Order: 503-4218 Order Date: 2/9/2023**

**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

| Sample List |                         |                  |                         |                                 |          |         |
|-------------|-------------------------|------------------|-------------------------|---------------------------------|----------|---------|
| Fluid       | Operator                | Location         | Site                    | Sample Point                    | Date     | Time    |
| Gas         | Occidental Permian Ltd. | North Hobbs Unit | Central Tank Battery    | Gas Leg of Production Separator | 2/9/2023 | 3:41 PM |
| Gas         | Occidental Permian Ltd. | North Hobbs Unit | North Injection Battery | Gas Leg of Production Separator | 2/9/2023 | 3:31 PM |
| Gas         | Occidental Permian Ltd. | North Hobbs Unit | West Injection Battery  | Gas Leg of Production Separator | 2/9/2023 | 4:04 PM |
| Gas         | Occidental Permian Ltd. | South Hobbs Unit | Central Tank Battery    | Gas Leg of Production Separator | 2/9/2023 | 3:11 PM |

| No Sample List |          |      |              |         |
|----------------|----------|------|--------------|---------|
| Operator       | Location | Site | Sample Point | Comment |

Pantechs Laboratories, Inc. - Order: 503-4218 - Order Date: 2/9/2023

Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses

| SAMPLE ID    |                                 | COLLECTION DATA  |             |
|--------------|---------------------------------|------------------|-------------|
| Operator     | Occidental Permian Ltd.         | Pressure         | 26 psig     |
| Location     | North Hobbs Unit                | Sample Temp      | N/A         |
| Site         | Central Tank Battery            | Atm Temp         | 45 F        |
| Site Type    | Battery                         | Collection Date  | 02/09/2023  |
| Sample Point | Gas Leg of Production Separator | Collection Time  | 3:41 PM     |
| Spot/Comp    | Spot                            | Collection By    | Cody Carson |
| Meter ID     |                                 | Pressure Base    | 14.650 psi  |
| Purchaser    |                                 | Temperature Base | 60 F        |
| Fluid        | Gas                             | Container(s)     | PL2344      |

## GPA 2261 Gas Fractional Analysis with Water Vapor

| COMPOUND         | FORMULA | MOL%           | WT%            | GPM           |
|------------------|---------|----------------|----------------|---------------|
| NITROGEN         | N2      | 0.056          | 0.033          | 0.006         |
| CARBON DIOXIDE   | CO2     | 80.489         | 74.605         | 13.780        |
| HYDROGEN SULFIDE | H2S     | 1.281          | 0.919          | 0.173         |
| WATER VAPOR      | H2O     | 0.555          | 0.211          | 0.032         |
| METHANE          | C1      | 0.484          | 0.164          | 0.082         |
| ETHANE           | C2      | 0.391          | 0.248          | 0.105         |
| PROPANE          | C3      | 2.653          | 2.464          | 0.734         |
| I-BUTANE         | iC4     | 1.657          | 2.028          | 0.545         |
| N-BUTANE         | nC4     | 4.715          | 5.772          | 1.493         |
| I-PENTANE        | iC5     | 2.289          | 3.478          | 0.842         |
| N-PENTANE        | nC5     | 1.769          | 2.688          | 0.644         |
| HEXANES PLUS     | C6+     | 3.661          | 7.390          | 1.579         |
| <b>TOTALS:</b>   |         | <b>100.000</b> | <b>100.000</b> | <b>20.015</b> |

Value of "0.000" in fractional interpreted as below detectable limit.

If Onsite H2S testing is performed, its resulting value is used in fractional table

## GPA 2172/ASTM D3588 CALCULATED PROPERTIES

| WATER CONTENT  | BTU/CF | Specific Gr. | Z Factor | Mol Weight | Wobbe IDX |
|----------------|--------|--------------|----------|------------|-----------|
| DRY            | 652.96 | 1.652        | 0.990    | 47.381     | 508.07    |
| MEASURED WATER | 653.42 | 1.656        | 0.990    | 47.481     |           |

## Water Vapor

| GPM   | PPMM      | LBS/MMSCF | SAMPLE SATURATED |
|-------|-----------|-----------|------------------|
| 0.032 | 5,550.000 | 264.286   | No               |

## Onsite Testing by Stain Tube

| METHOD  | TYPE | MEAS VALUE | MOL%   | GRAINS/100 | PPMV     |
|---------|------|------------|--------|------------|----------|
| GPA2377 | H2S  | 1.20 vol%  | 1.2810 | 813.46     | 12,934.0 |

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.



Order: 503-4218 - Order Date: 2/9/2023

**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

| SAMPLE ID    |                                 | COLLECTION DATA  |             |
|--------------|---------------------------------|------------------|-------------|
| Operator     | Occidental Permian Ltd.         | Pressure         | 34 psig     |
| Location     | North Hobbs Unit                | Sample Temp      | N/A         |
| Site         | North Injection Battery         | Atm Temp         | 45 F        |
| Site Type    | Battery                         | Collection Date  | 02/09/2023  |
| Sample Point | Gas Leg of Production Separator | Collection Time  | 3:31 PM     |
| Spot/Comp    | Spot                            | Collection By    | Cody Carson |
| Meter ID     |                                 | Pressure Base    | 14.650 psi  |
| Purchaser    |                                 | Temperature Base | 60 F        |
| Fluid        | Gas                             | Container(s)     | PL1003      |

**GPA 2261 Gas Fractional Analysis with Water Vapor**

| COMPOUND         | FORMULA | MOL%           | WT%            | GPM           |
|------------------|---------|----------------|----------------|---------------|
| NITROGEN         | N2      | 0.065          | 0.041          | 0.007         |
| CARBON DIOXIDE   | CO2     | 94.461         | 92.516         | 16.121        |
| HYDROGEN SULFIDE | H2S     | 0.214          | 0.162          | 0.029         |
| WATER VAPOR      | H2O     | 0.540          | 0.216          | 0.031         |
| METHANE          | C1      | 0.083          | 0.030          | 0.014         |
| ETHANE           | C2      | 0.132          | 0.088          | 0.035         |
| PROPANE          | C3      | 0.839          | 0.823          | 0.231         |
| I-BUTANE         | iC4     | 0.397          | 0.514          | 0.130         |
| N-BUTANE         | nC4     | 1.096          | 1.418          | 0.346         |
| I-PENTANE        | iC5     | 0.452          | 0.726          | 0.166         |
| N-PENTANE        | nC5     | 0.388          | 0.623          | 0.141         |
| HEXANES PLUS     | C6+     | 1.333          | 2.843          | 0.573         |
| <b>TOTALS:</b>   |         | <b>100.000</b> | <b>100.000</b> | <b>17.824</b> |

Value of "0.000" in fractional interpreted as below detectable limit.  
 If Onsite H2S testing is performed, its resulting value is used in fractional table

**GPA 2172/ASTM D3588 CALCULATED PROPERTIES**

| WATER CONTENT  | BTU/CF | Specific Gr. | Z Factor | Mol Weight | Wobbe IDX |
|----------------|--------|--------------|----------|------------|-----------|
| DRY            | 178.36 | 1.558        | 0.993    | 44.838     | 142.89    |
| MEASURED WATER | 178.67 | 1.562        | 0.993    | 44.935     |           |

**Water Vapor**

| GPM   | PPMM      | LBS/MMSCF | SAMPLE SATURATED |
|-------|-----------|-----------|------------------|
| 0.031 | 5,400.000 | 257.143   | No               |

**Onsite Testing by Stain Tube**

| METHOD  | TYPE | MEAS VALUE | MOL%   | GRAINS/100 | PPMV    |
|---------|------|------------|--------|------------|---------|
| GPA2377 | H2S  | 0.20 vol%  | 0.2135 | 135.58     | 2,155.7 |

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Order: 503-4218 - Order Date: 2/9/2023

**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

| SAMPLE ID    |                                 | COLLECTION DATA  |             |
|--------------|---------------------------------|------------------|-------------|
| Operator     | Occidental Permian Ltd.         | Pressure         | 28 psig     |
| Location     | North Hobbs Unit                | Sample Temp      | N/A         |
| Site         | West Injection Battery          | Atm Temp         | 40 F        |
| Site Type    | Battery                         | Collection Date  | 02/09/2023  |
| Sample Point | Gas Leg of Production Separator | Collection Time  | 4:04 PM     |
| Spot/Comp    | Spot                            | Collection By    | Cody Carson |
| Meter ID     |                                 | Pressure Base    | 14.650 psi  |
| Purchaser    |                                 | Temperature Base | 60 F        |
| Fluid        | Gas                             | Container(s)     | PL0245      |

**GPA 2261 Gas Fractional Analysis with Water Vapor**

| COMPOUND         | FORMULA | MOL%           | WT%            | GPM           |
|------------------|---------|----------------|----------------|---------------|
| NITROGEN         | N2      | 0.048          | 0.030          | 0.005         |
| CARBON DIOXIDE   | CO2     | 93.595         | 92.306         | 15.972        |
| HYDROGEN SULFIDE | H2S     | 1.480          | 1.130          | 0.200         |
| WATER VAPOR      | H2O     | 0.511          | 0.206          | 0.029         |
| METHANE          | C1      | 0.487          | 0.175          | 0.083         |
| ETHANE           | C2      | 0.185          | 0.125          | 0.050         |
| PROPANE          | C3      | 0.623          | 0.616          | 0.172         |
| I-BUTANE         | iC4     | 0.219          | 0.285          | 0.072         |
| N-BUTANE         | nC4     | 0.645          | 0.840          | 0.204         |
| I-PENTANE        | iC5     | 0.435          | 0.703          | 0.159         |
| N-PENTANE        | nC5     | 0.417          | 0.674          | 0.151         |
| HEXANES PLUS     | C6+     | 1.355          | 2.910          | 0.582         |
| <b>TOTALS:</b>   |         | <b>100.000</b> | <b>100.000</b> | <b>17.679</b> |

Value of "0.000" in fractional interpreted as below detectable limit.  
 If Onsite H2S testing is performed, its resulting value is used in fractional table

**GPA 2172/ASTM D3588 CALCULATED PROPERTIES**

| WATER CONTENT  | BTU/CF | Specific Gr. | Z Factor | Mol Weight | Wobbe IDX |
|----------------|--------|--------------|----------|------------|-----------|
| DRY            | 167.09 | 1.547        | 0.993    | 44.533     | 134.32    |
| MEASURED WATER | 167.38 | 1.551        | 0.993    | 44.625     |           |

**Water Vapor**

| GPM   | PPMM      | LBS/MMSCF | SAMPLE SATURATED |
|-------|-----------|-----------|------------------|
| 0.029 | 5,110.000 | 243.333   | No               |

**Onsite Testing by Stain Tube**

| METHOD  | TYPE | MEAS VALUE | MOL%   | GRAINS/100 | PPMV     |
|---------|------|------------|--------|------------|----------|
| GPA2377 | H2S  | 1.40 vol%  | 1.4797 | 939.64     | 14,940.3 |

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Order: 503-4218 - Order Date: 2/9/2023

**Order Description: North Hobbs Unit, Samples from Central Tank, North, and West Batteries for Hydrocarbon Analyses**

| SAMPLE ID    |                                 | COLLECTION DATA  |             |
|--------------|---------------------------------|------------------|-------------|
| Operator     | Occidental Permian Ltd.         | Pressure         | 27 psig     |
| Location     | South Hobbs Unit                | Sample Temp      | N/A         |
| Site         | Central Tank Battery            | Atm Temp         | 50 F        |
| Site Type    | Battery                         | Collection Date  | 02/09/2023  |
| Sample Point | Gas Leg of Production Separator | Collection Time  | 3:11 PM     |
| Spot/Comp    | Spot                            | Collection By    | Cody Carson |
| Meter ID     |                                 | Pressure Base    | 14.650 psi  |
| Purchaser    |                                 | Temperature Base | 60 F        |
| Fluid        | Gas                             | Container(s)     | PL2332      |

**GPA 2261 Gas Fractional Analysis with Water Vapor**

| COMPOUND         | FORMULA | MOL%           | WT%            | GPM           |
|------------------|---------|----------------|----------------|---------------|
| NITROGEN         | N2      | 0.056          | 0.033          | 0.006         |
| CARBON DIOXIDE   | CO2     | 80.302         | 74.480         | 13.748        |
| HYDROGEN SULFIDE | H2S     | 1.509          | 1.084          | 0.204         |
| WATER VAPOR      | H2O     | 0.553          | 0.210          | 0.032         |
| METHANE          | C1      | 0.483          | 0.163          | 0.082         |
| ETHANE           | C2      | 0.390          | 0.247          | 0.105         |
| PROPANE          | C3      | 2.647          | 2.460          | 0.733         |
| I-BUTANE         | iC4     | 1.653          | 2.025          | 0.543         |
| N-BUTANE         | nC4     | 4.705          | 5.763          | 1.490         |
| I-PENTANE        | iC5     | 2.284          | 3.473          | 0.840         |
| N-PENTANE        | nC5     | 1.765          | 2.684          | 0.642         |
| HEXANES PLUS     | C6+     | 3.653          | 7.378          | 1.575         |
| <b>TOTALS:</b>   |         | <b>100.000</b> | <b>100.000</b> | <b>20.000</b> |

Value of "0.000" in fractional interpreted as below detectable limit.  
 If Onsite H2S testing is performed, its resulting value is used in fractional table

**GPA 2172/ASTM D3588 CALCULATED PROPERTIES**

| WATER CONTENT  | BTU/CF | Specific Gr. | Z Factor | Mol Weight | Wobbe IDX |
|----------------|--------|--------------|----------|------------|-----------|
| DRY            | 653.00 | 1.651        | 0.990    | 47.351     | 508.26    |
| MEASURED WATER | 653.46 | 1.655        | 0.990    | 47.450     |           |

**Water Vapor**

| GPM   | PPMM      | LBS/MMSCF | SAMPLE SATURATED |
|-------|-----------|-----------|------------------|
| 0.032 | 5,530.000 | 263.333   | No               |

**Onsite Testing by Stain Tube**

| METHOD  | TYPE | MEAS VALUE | MOL%   | GRAINS/100 | PPMV     |
|---------|------|------------|--------|------------|----------|
| GPA2377 | H2S  | 1.40 vol%  | 1.5093 | 958.43     | 15,239.0 |

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

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|                 |  |
|-----------------|--|
| <p><b>1</b></p> | <p><b>Reason why this event was beyond Operator's control:</b></p>   |
|                 | <p>Oxy engages in respectable and good facility operation practices while also maintaining its continuous equipment preventative maintenance program. Internal OXY procedures ensure that upon a gas compressor unit shutdown, production techs are promptly notified via an equipment alarm notification app and are trained to respond immediately in order to assess the issue as soon as possible, so that prompt corrective actions are taken to minimize emissions. Oxy production techs must assess whether a gas compressor unit shutdown is due to damage and repair is needed, or whether there are other reasons for its cause.</p> <p>In this case, this facility is an unmanned location and therefore, the Oxy production tech, upon receiving the malfunction alarm for the North Hobbs Unit NIB, quickly drove to the facility from another distant facility location. Upon the production tech's arrival, the immediate steps taken was to check the lube oil level due to this was the alarm the unit went down on he then inspected the unit for additional potential issues. The NIB compressor has locked up,so he then called the mechanic out to troubleshoot , the mechanic found that while installing the coupling we went to roll the unit to line up bolt holes on the motor hub and found that we could not. We unbolted the coupling and removed the seal cover to ensure we did not have issues with thrust locking us up. resulting in motor failure . The unit will have to be pulled and sent in to be repaired.</p> |
|                 |  |
| <p><b>2</b></p> | <p><b>Steps Taken to limit duration and magnitude of venting or flaring:</b></p>   |
|                 | <p>It is OXY's policy to route all stranded sales gas to a flare during a sudden, unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. The flare at this facility has a 98% combustion efficiency in order to lessen emissions as much as possible. The flare is regularly monitored to the ensure flame is lit and meeting opacity requirements. In this case, the tech started two smaller compressors 1 &amp; 2 to ensure we have maximum flow through the units. The field has curtailed wells to eliminate flaring</p>  |

|  |  |
|--|--|
|  |  |
|--|--|

|          |   |
|----------|---|
| <b>3</b> | <b>Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:</b>  |
|          | <p>Oxy is limited in the corrective actions available to them to eliminate the cause and potential reoccurrence of compressor malfunctions as notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms, false or true, can be sudden, reasonably unforeseeable and unexpected which can cause compression malfunctions to occur, thereby, triggering the unit's sensors to automatically shut down the unit to avoid catastrophic damage to the internal engine components. Oxy continually strives to maintain and operate its facility and its equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. The only actions that Oxy can take and handle that is within its control, is to continue with its preventative maintenance program for this facility and its compression equipment.</p> |

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**District II**  
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 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 290781

**DEFINITIONS**

|   |   |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984  |
|   | Action Number:<br>290781                                      |
|   | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**DEFINITIONS**

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 290781

**QUESTIONS**

|   |   |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984  |
|   | Action Number:<br>290781                                      |
|   | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**QUESTIONS**

|  |                                      |
|--|--------------------------------------|
| <b>Prerequisites</b>   |                                      |
| <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>                                |                                      |
| Incident ID (n#)   | Unavailable.                         |
| Incident Name  | Unavailable.                         |
| Incident Type  | Flare                                |
| Incident Status  | Unavailable.                         |
| Incident Facility  | [fKJ1518128159] North Hobbs Unit NIB |
| <i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i> |                                      |

|   |   |
|---|---|
| <b>Determination of Reporting Requirements</b>  |   |
| <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>  |   |
| Was this vent or flare caused by an emergency or malfunction  | Yes   |
| Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event  | No  |
| Is this considered a submission for a vent or flare event   | Yes, minor venting and/or flaring of natural gas. |
| <i>An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.</i>  |   |
| Was there at least 50 MCF of natural gas vented and/or flared during this event   | Yes   |
| Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water | No  |
| Was the vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence   | No  |

|   |                |
|---|----------------|
| <b>Equipment Involved</b>                                 |                |
| Primary Equipment Involved                                | Producing Well |
| Additional details for Equipment Involved. Please specify | Not answered.  |

|  |       |
|--|-------|
| <b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>   |       |
| <i>Please provide the mole percent for the percentage questions in this group.</i>   |       |
| Methane (CH4) percentage   | 0     |
| Nitrogen (N2) percentage, if greater than one percent  | 0     |
| Hydrogen Sulfide (H2S) PPM, rounded up   | 2,140 |
| Carbon Dioxide (CO2) percentage, if greater than one percent   | 94    |
| Oxygen (O2) percentage, if greater than one percent  | 0     |
| <i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i> |       |
| Methane (CH4) percentage quality requirement   | 0     |
| Nitrogen (N2) percentage quality requirement   | 0     |
| Hydrogen Sulfide (H2S) PPM quality requirement   | 0     |
| Carbon Dioxide (CO2) percentage quality requirement  | 0     |
| Oxygen (O2) percentage quality requirement   | 0     |



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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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QUESTIONS, Page 2

Action 290781

**QUESTIONS (continued)**

|   |   |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984  |
|   | Action Number:<br>290781                                      |
|   | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**QUESTIONS**

| Date(s) and Time(s)                            |            |
|--|------------|
| Date vent or flare was discovered or commenced | 06/09/2023 |
| Time vent or flare was discovered or commenced | 11:40 PM   |
| Time vent or flare was terminated              | 11:59 PM   |
| Cumulative hours during this event             | 0          |

| Measured or Estimated Volume of Vented or Flared Natural Gas              |  |
|---|--|
| Natural Gas Vented (Mcf) Details  | Not answered.  |
| Natural Gas Flared (Mcf) Details  | Cause: Equipment Failure   Producing Well   Natural Gas Flared   Released: 83 MCF   Recovered: 0 MCF   Lost: 83 MCF. |
| Other Released Details  | Not answered.  |
| Additional details for Measured or Estimated Volume(s). Please specify    | Not answered.  |
| Is this a gas only submission (i.e. only significant Mcf values reported) | Yes, according to supplied volumes this appears to be a "gas only" report.   |

| Venting or Flaring Resulting from Downstream Activity             |               |
|---|---------------|
| Was this vent or flare a result of downstream activity            | No            |
| Was notification of downstream activity received by this operator | No            |
| Downstream OGRID that should have notified this operator          | 0             |
| Date notified of downstream activity requiring this vent or flare |               |
| Time notified of downstream activity requiring this vent or flare | Not answered. |

| Steps and Actions to Prevent Waste  |   |
|---|---|
| For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control | True  |
| Please explain reason for why this event was beyond this operator's control   | Oxy engages in respectable and good facility operation practices while also maintaining its continuous equipment preventative maintenance program. Internal OXY procedures ensure that upon a gas compressor unit shutdown, production techs are promptly notified via an equipment alarm notification app and are trained to respond immediately in order to assess the issue as soon as possible, so that prompt corrective actions are taken to minimize emissions. Oxy production techs must assess whether a gas compressor unit shutdown is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, this facility is an unmanned location and therefore, the Oxy production tech, upon receiving the malfunction alarm for the North Hobbs Unit NIB, quickly drove to the facility from another distant facility location. Upon the production tech's arrival, the immediate steps taken was to check the lube oil level due to this was the alarm the unit went down on he then inspected the unit for additional potential issues. The NIB compressor has locked up, so he then called the mechanic out to troubleshoot, the mechanic found that while installing the coupling we went to roll the unit to line up bolt holes on the motor hub and found that we could not. We unbolted the coupling and removed the seal cover to ensure we did not have issues with thrust locking us up. resulting in motor failure. The unit will have to be pulled and sent in to be repaired. |
|   | It is OXY's policy to route all stranded sales gas to a flare during a sudden, unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as   |

|   |  |
|---|--|
| Steps taken to limit the duration and magnitude of vent or flare                  | possible. The flare at this facility has a 98% combustion efficiency in order to lessen emissions as much as possible. The flare is regularly monitored to the ensure flame is lit and meeting opacity requirements. In this case, the tech started two smaller compressors 1 & 2 to ensure we have maximum flow through the units. The field has curtailed wells to eliminate flaring   |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare | Oxy is limited in the corrective actions available to them to eliminate the cause and potential reoccurrence of compressor malfunctions as notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms, false or true, can be sudden, reasonably unforeseeable and unexpected which can cause compression malfunctions to occur, thereby, triggering the unit's sensors to automatically shut down the unit to avoid catastrophic damage to the internal engine components. Oxy continually strives to maintain and operate its facility and its equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. The only actions that Oxy can take and handle that is within its control, is to continue with its preventative maintenance program for this facility and its compression equipment. |

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 290781

**ACKNOWLEDGMENTS**

|   |   |
|---|---|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984  |
|   | Action Number:<br>290781                                      |
|   | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**ACKNOWLEDGMENTS**

|                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.  |
| <input checked="" type="checkbox"/> | I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.   |
| <input checked="" type="checkbox"/> | I hereby certify the statements in this amending report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.   |
| <input checked="" type="checkbox"/> | I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment. |
| <input checked="" type="checkbox"/> | I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.  |



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CONDITIONS

Action 290781

**CONDITIONS**

|   |   |
|---|---|
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**CONDITIONS**

| Created By    | Condition  | Condition Date |
|---------------|--|----------------|
| shelbyschoepf | If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 12/4/2023      |